

## CLAIMS

1. A motor vehicle fuel system, comprising:
  - a fuel tank;
  - an inlet duct having an upper end for receiving liquid fuel from a fuel dispensing apparatus and a lower end opening into said fuel tank for introducing liquid fuel into said fuel tank;
  - and a porous flexible sock attached at one end to said lower end of said inlet duct.
2. The fuel system according to claim 1 wherein said sock is open at its other end.
3. The fuel system according to claim 2 wherein said sock extends substantially to a bottom of said fuel tank when said fuel tank is empty.
4. The fuel system according to claim 3 wherein said sock has a porosity equivalent to filtration in the range 20 to 80 micron ( $\mu\text{m}$ )
5. The fuel system according to claim 4 wherein said porosity is substantially equivalent to 50 micron ( $\mu\text{m}$ ) filtration.
6. The fuel system according claim 1 further comprising a connector coupled to said lower end of said inlet duct, said connector comprising a check valve.
7. A fuel system according to claim 6 wherein said check valve includes a spring-loaded flap covering an exit orifice of the of said connector.
8. The fuel system according to Claim 7 wherein said connector further comprises a support cage.

9. The fuel system according to claim 8 wherein said support cage comprises a first portion and a second portion, wherein said first portion is solid and said second portion has windows.
10. The fuel system according to Claim 9 wherein said windows of said second portion of said support cage are immediately adjacent to said check valve.
11. The fuel system according to Claim 10 wherein said connector connects said sock to said lower end of said inlet duct.
12. The fuel system as set forth in Claim 11 wherein said windows of said second portion of said support cage are covered by said sock.